OIPE
SEP 27 2004
PATENT & TRADEMARK OFFICE

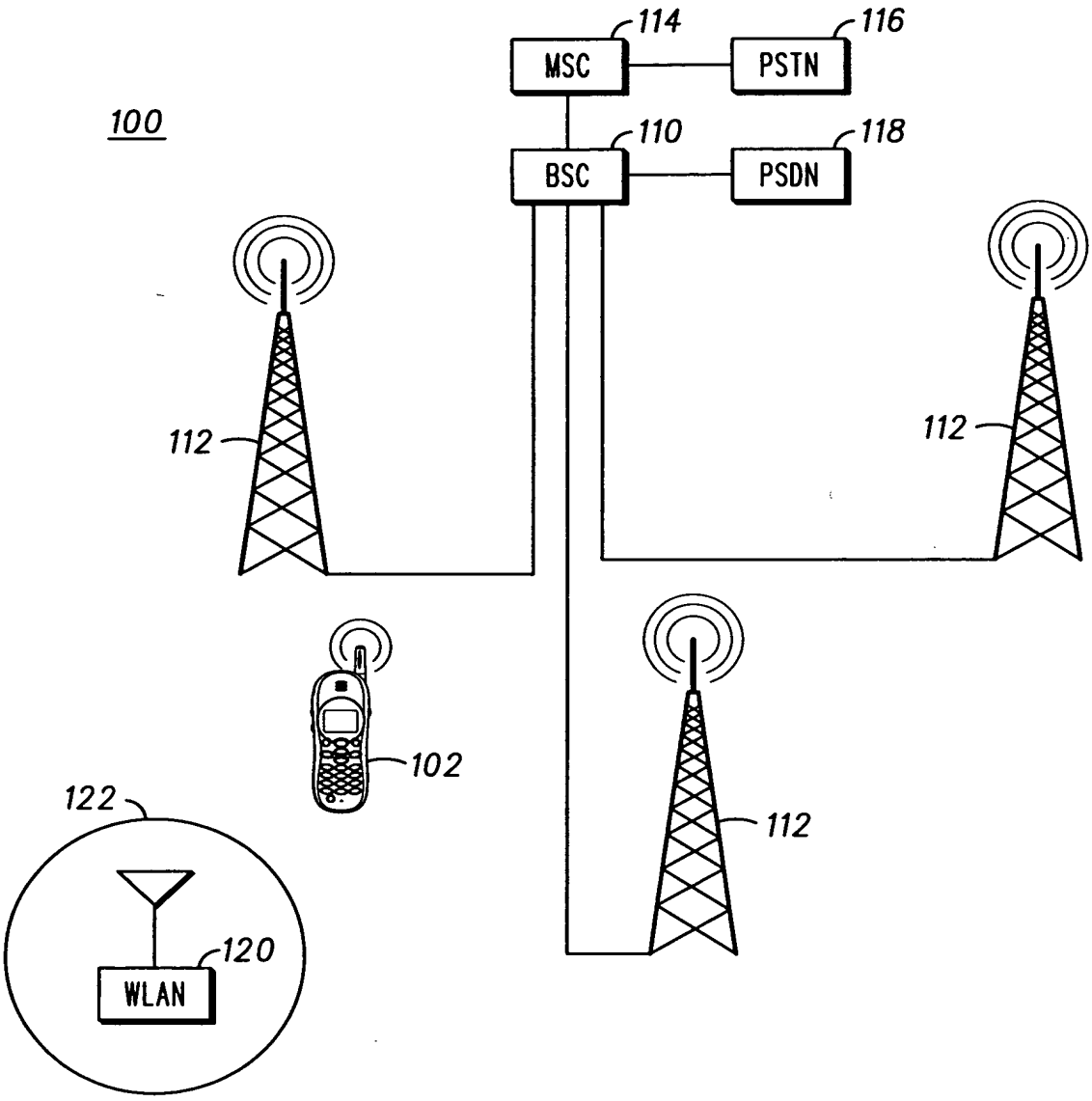


FIG. 1

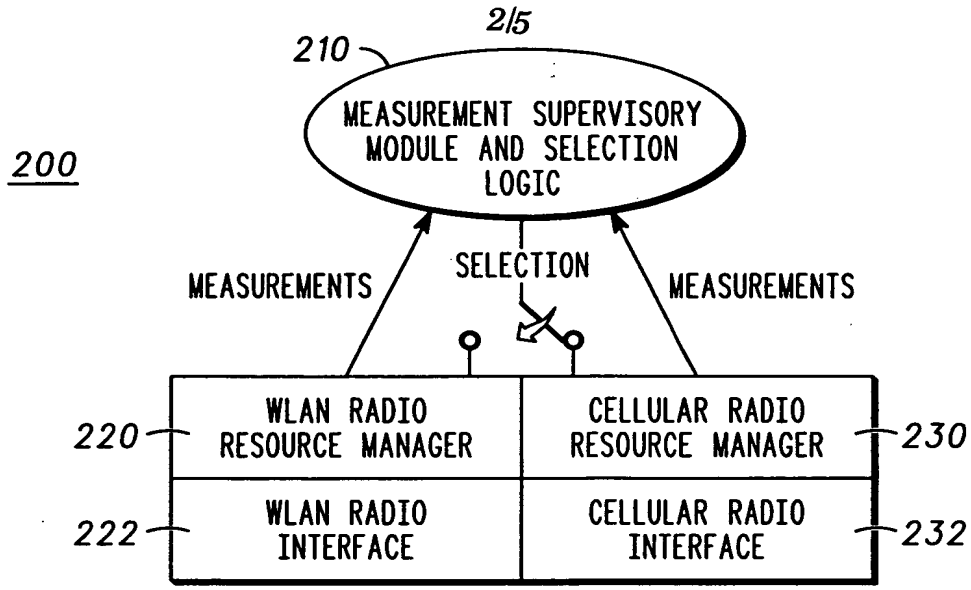


FIG. 2

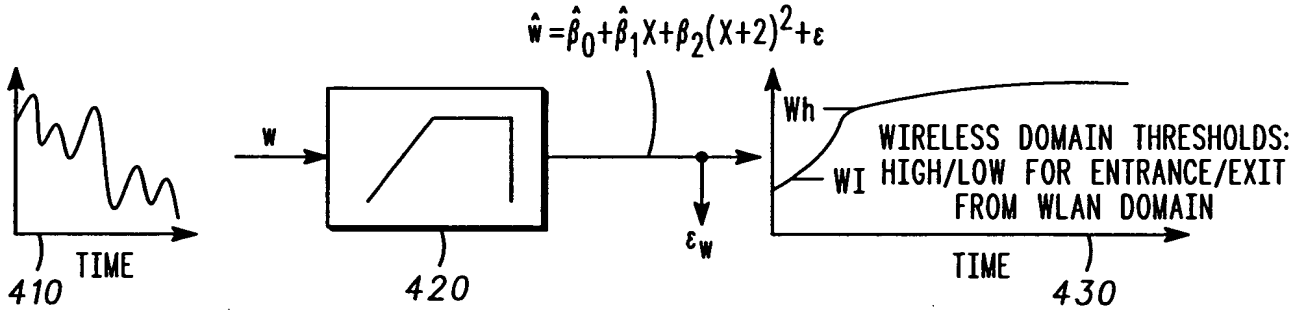


FIG. 4

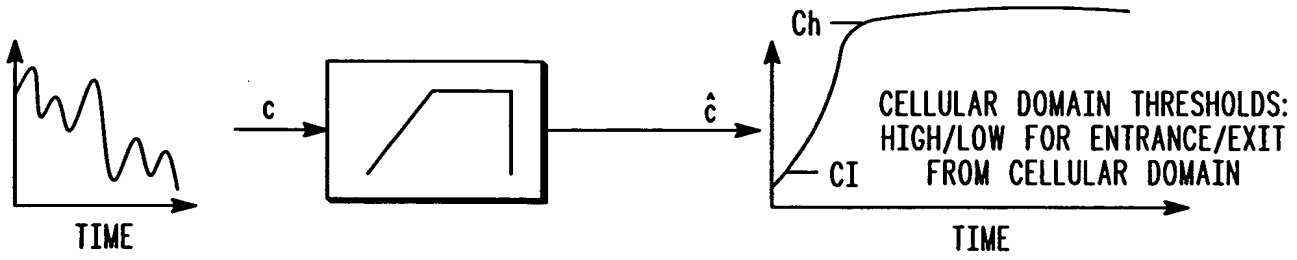
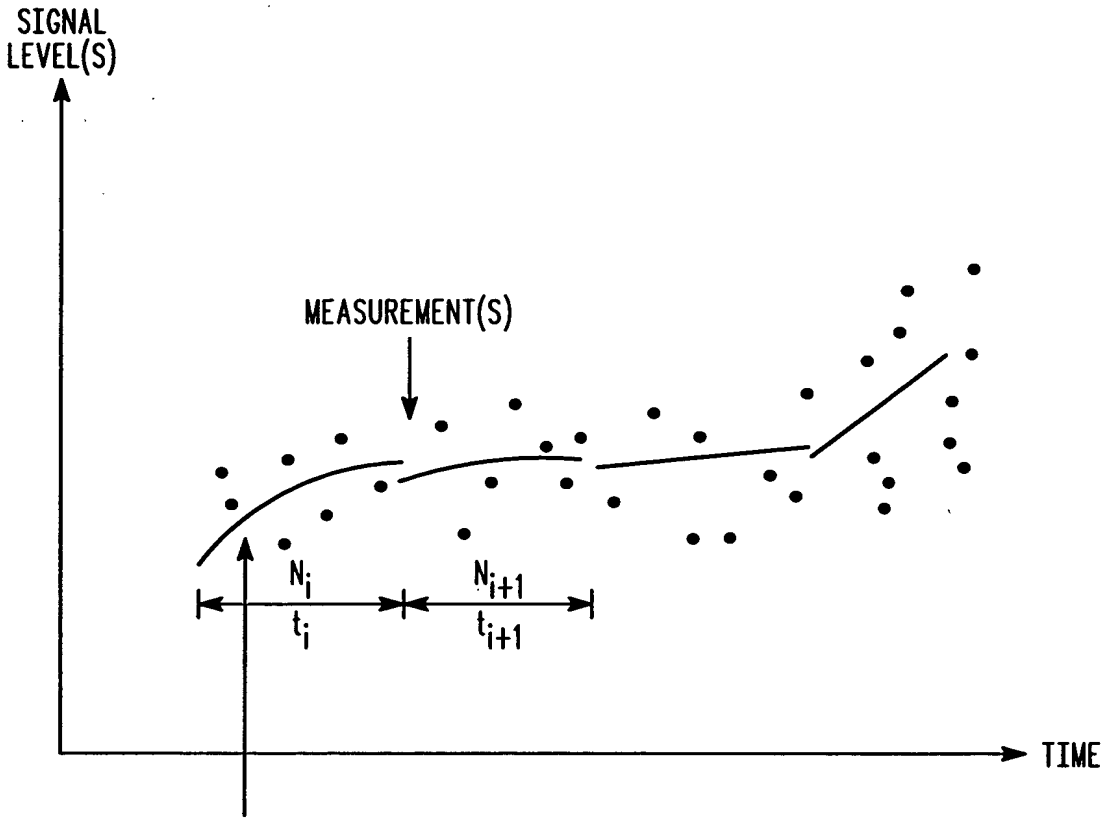


FIG. 5



REGRESSION OF WINDOW LENGTH N
VALUE OF REGRESSION,

$$\hat{y} = \hat{\beta}_0 + \hat{\beta}_1 S + \beta_2 (S+2)^2 + \varepsilon$$

ε = ROOT OF MEAN SQUARE ERROR OF MEASUREMENTS FROM REGRESSION LINE,

$$\sqrt{(s_i - y_i)^2}$$

FIG. 3

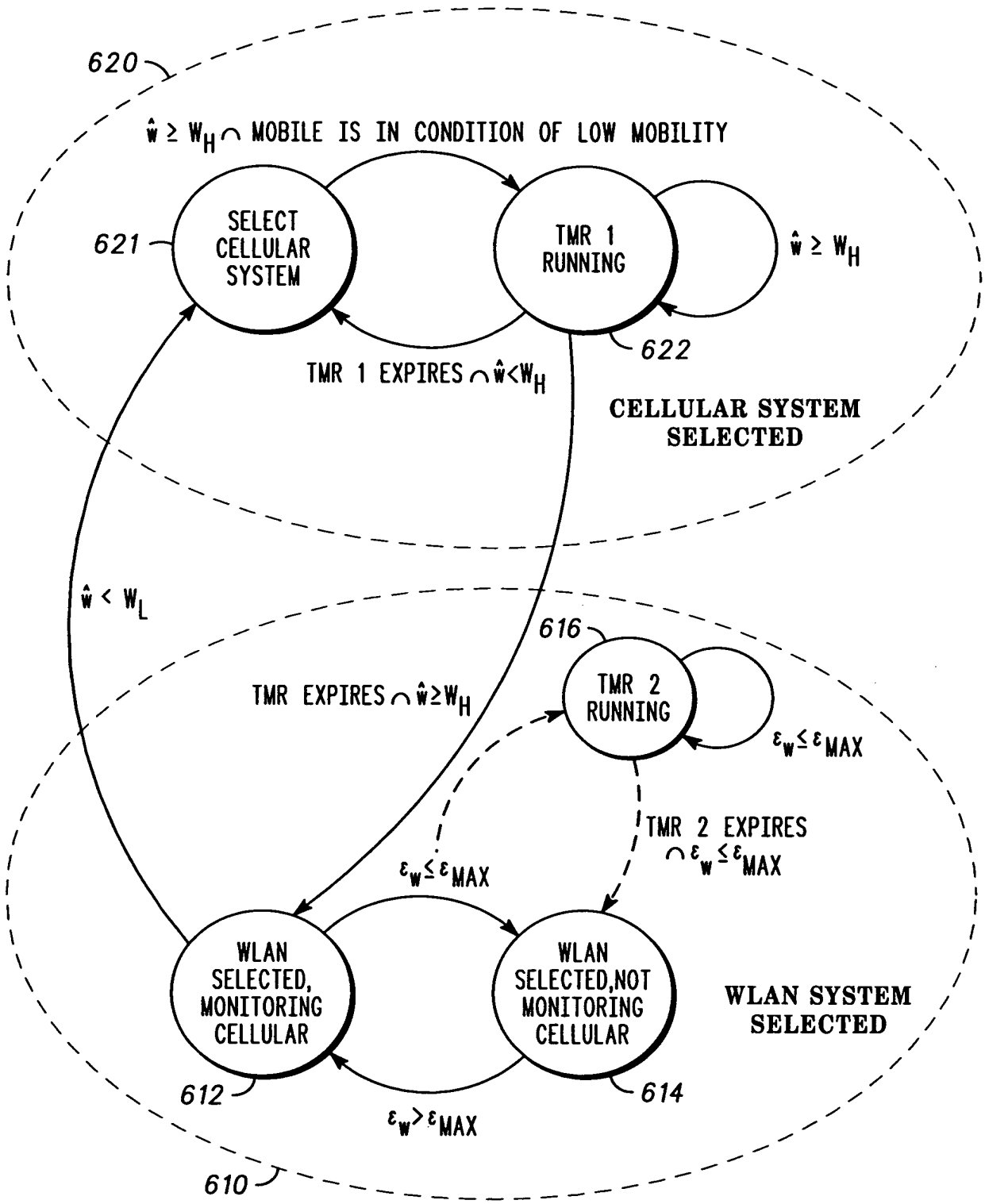

620
$\hat{w} \geq W_H \cap$ MOBILE IS IN CONDITION OF LOW MOBILITY
621
SELECT CELLULAR SYSTEM
TMR 1 RUNNING
$\hat{w} \geq W_H$
622
TMR 1 EXPIRES $\cap \hat{w} < W_H$
CELLULAR SYSTEM SELECTED
$\hat{w} < W_L$
616
TMR 2 RUNNING
TMR EXPIRES $\cap \hat{w} \geq W_H$
$\varepsilon_w \leq \varepsilon_{MAX}$
TMR 2 EXPIRES $\cap \varepsilon_w \leq \varepsilon_{MAX}$
$\varepsilon_w \leq \varepsilon_{MAX}$
WLAN SELECTED, MONITORING CELLULAR
WLAN SELECTED,NOT MONITORING CELLULAR
WLAN SYSTEM SELECTED
612
614
$\varepsilon_w > \varepsilon_{MAX}$
610

FIG. 6

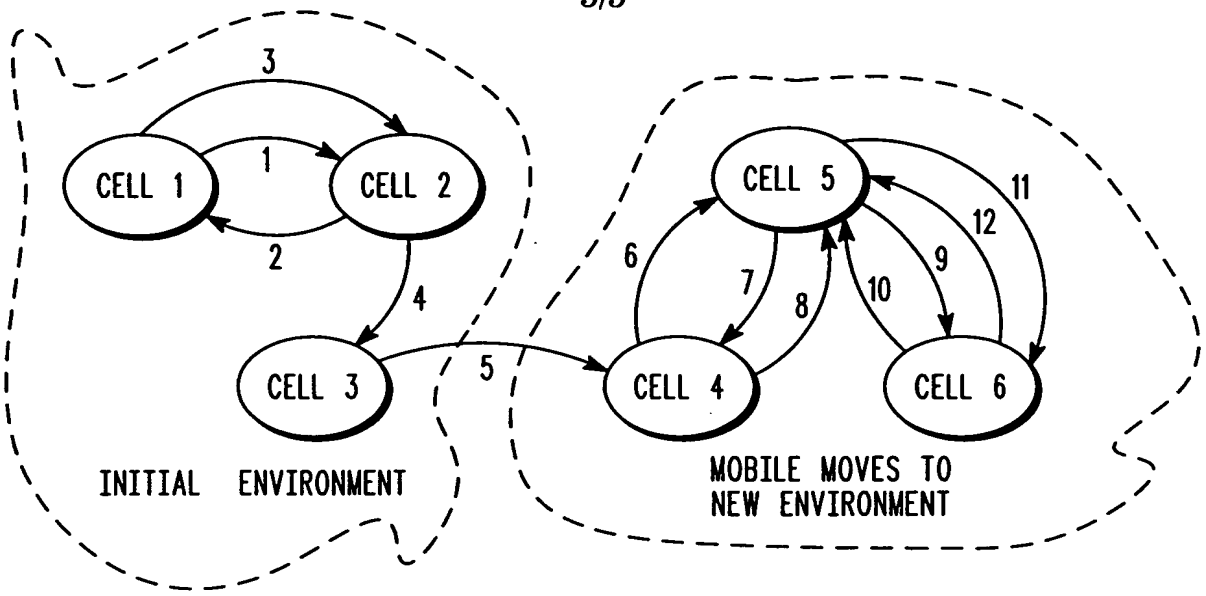


FIG. 7

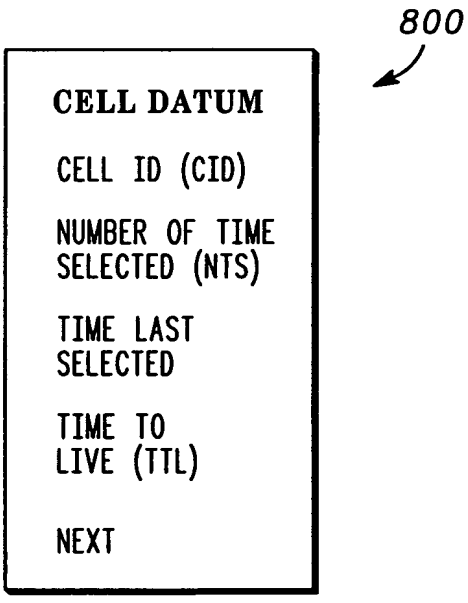


FIG. 8

FIG. 9